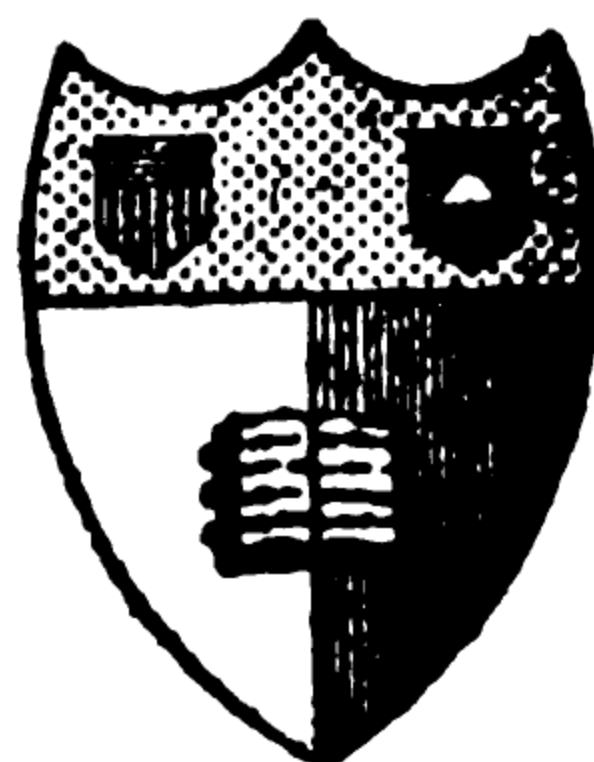


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Annual Sanitary Report for Rangoon for the Year 1921.

Climatic Conditions :—Details of meteorological data for Rangoon are given in Annual Form A attached to this report and call for no special comment.

The total rainfall amounted to 100.29 inches showing 3.76 inches higher than the average for the previous five years and 6.38 inches higher than the rainfall in 1920.

Population :—The 1921 Census gives the population of Rangoon as being 341,962, a decennial increase of 48,646.

The estimated population for 1921 based on the 1901 and 1911 Census figures was 334,476. The difference between the 1921 Census population and the estimated population for the year amounted to 7,486.

Births and Birth-rates :—The number of births registered during the year was 6,254 as compared with 6,319 births in 1920. The birth-rates for the two years on the Census population of 1921 and 1911 respectively works out at 18.29 and 21.54. The highest birth-rate was recorded in South Kemmendine and the lowest in Cantonment. These rates were 25.98 and 6.65.

Male births exceeded female births in the proportion of 106.4 to 100.

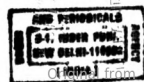
The following Table gives the number of births and birth-rates for the various Communities :—

	No. of Births.	Birth-rates.
Europeans	107	28.96
Anglo-Indians	231	27.69
Other Classes	401	24.49
Burmese	2,283	22.18
Chinese and Panthays	513	21.68
Mahomedans and Malays	1,005	16.22
Hindus	1,714	13.71

The following statement showing the birth-rates in the different Circles calculated on the females at child-bearing ages, i.e., 15 to 45 for the years 1920-21 is given below :—

	1921	1920.
Dala	158	166
Botataung	142	134
South-Kemmendine	134	119
South-East Town	128	108
Lanmadaw	126	125
North-East Town	111	100
North-West Town	110	120
Tanwe	104	104
North Kemmendine	103	121
Theinbya	102	104
Yegyaw	95	90
South-West Town	91	89
Kanungo	87	83
Taroktan	86	111
Cantonment	40	58

Still-births.—442 Still-births were reported during the year. 182 of these were of Burmese parentage, 113 of Hindu parentage, 80 of Mohammedan or Malay parentage, 26 of Chinese or Panthay parentage, 23 of Other Classes, 13 of Anglo-Indian parentage and 5 of European parentage.



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The percentage of Still-births to the total births for the different Communities works out as follows :—

Communities.	No. of Births.	No. of Still-births.	Percentage of Still-births to births registered.
Burmese ...	2,283	182	7.97
Hindus ...	1,714	113	6.59
Mohammedans and Malays ...	1,005	80	7.96
Chinese and Panthays ...	913	26	5.07
Europeans ...	107	5	4.67
Anglo-Indians ...	231	13	5.63
Other Classes ...	401	23	5.74
	6,254	442	7.07

Of the 442 Still-births, the confinements were supervised by unqualified mid-wives or relatives in 214 cases.

Deaths and Death-rates.—12,066 deaths were registered during the year. In 1920, 12,140 deaths were registered. The death-rates on the Census populations for the two years work out at 35.28 and 41.39 respectively. 630 of the total deaths occurred amongst individuals not normally resident in Rangoon but who had come to Rangoon during their final illness and died in Rangoon. The number of deaths registered and the death-rates for the last 5 years is given in the Table below :—

Year.	Deaths.	Death-rate on Census population.	Death rate on Estimated population.
1916	10,597	36.13	33.76
1917	9,885	33.70	31.08
1918	15,411	52.54	47.84
1919	15,354	53.03	47.68
1920	12,140	41.39	36.75

In the years 1916-20 inclusive, the death-rates were calculated on the estimated population and in 1921 were calculated on the recent Census population.

The number of deaths and death-rates on Census population for the various Communities work out as follows :—

	No. of Deaths.	Death-rates.
Anglo-Indians ...	124	14.86
Europeans ...	79	21.38
Other Classes ...	438	26.73
Mohammedans and Malays ...	1,830	29.54
Hindus ...	4,747	37.98
Burmese ...	3,892	37.81
Chinese and Panthays ...	956	40.39

Infantile Mortality.—2,018 infants died before completing their first year of life. The Infantile Mortality rate is 322.67.

In the previous year 1,918 infants under one year of age died with an Infantile Mortality rate of 303.53.

The Table below shows the Infantile Mortality rate for the last five years :—

1916	...	288
1917	...	286
1918	...	329.26
1919	...	354.74
1920	...	303.53

Of the 2,018 infant deaths, 1,633 were born within Municipal limits and 385 were born outside such limits.

227 confinements leading to the birth of these infants took place at the Dufferin Hospital. 1,091 of the confinements were attended by unqualified midwives, 186 by qualified midwives, 71 by the Society for Promotion of Infant Welfare and 58 by relatives, etc.

In 1920, 6,319 births were registered in Rangoon.

Inquiries into the deaths of such of these infants dying before completing their first year showed that 1,578 of them died. The mortality rate works out at 249.73.

Of these 1,578 infants, 675 died in the first month, 197 in the second month, 188 in the third month, 101 in the fourth month, 61 in the 5th month, 54 in the sixth month, 53 in the seventh month, 47 in the eighth month, 52 in the ninth month, 47 in the tenth month, 60 in the eleventh month and 33 in the twelfth month.

The Infantile Mortality rate amongst the various Communities is as follows:—

Hindus	...	...	429.99
Chinese and Panthays	...	...	337.23
Burmese	...	...	297.85
Other Classes	...	...	274.31
Mohammedans and Malays	...	...	270.65
Anglo-Indians	...	...	151.52
Europeans	...	...	102.80

1,095 confinements were attended by mid-wives for the Society for the Promotion of Infant Welfare. 31 of these cases were sent on by the Society's midwives to the Dufferin Hospital, the remainder were attended by the Society's nurses and resulted in 515 live male births and 416 live female births.

The Society's returns show only 86 infants born under its auspices as dying before completing their first year of life. 34 of these deaths occurred before the end of the first month, 40 before the end of the sixth month and 12 before the end of the twelfth month.

Plague.—During the year 1,229 cases of Plague were recorded showing a case mortality rate of 92.62 as compared with 1,210 cases and 1,127 deaths in the preceding year with a case mortality rate of 93.14.

The disease was at its height in the month of July. The age period most affected was between 10—15 years and the Burmese Community suffered more heavily than other Communities in the town.

230 cases were treated in Hospital and of these 162 died, giving a case mortality of 70.43. 999 cases were treated in their homes of whom 964 died, giving a case mortality of 96.49. Of the total number of cases, 32 were ascertained to have been imported.

Inoculation.—4,495 persons were inoculated during the year under review. Of these 3,428 cases were carried out by the Jail Authorities and the remainder by the Medical Officers of the Health Department.

Cleaning and Disinfection.—5,532 premises were cleaned and 1,594 disinfected by the Plague staff. Houses in the poorer quarters of the Town were as usual cleaned free of cost.

Destruction of Rats.—4,05,178 rats were destroyed during the year. 17,936 were examined at the Plague Laboratory and 108 were reported to be Plague infected. The corresponding figures for 1920 were 3,45,750 destroyed, 14,114 examined and 87 found infected.

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Cholera.—125 cases of cholera were reported during the year. Of these 36 were found to be imported. The death-rate for the year was '30 and the average for the previous 5 years was '33.

The majority of the cases occurred in the months of January, April and December. 49 cases of Cholera were treated in the Hospital of which 35 died giving a case mortality rate of 71.43 and 76 cases were treated at home of which 66 died giving a case mortality rate of 86.84.

Small-pox.—Only 96 cases of Small-pox were reported during the year of which 21 were found to be imported. The deaths numbered 18 and the death-rate was '05.

In 1920 the total cases amounted to 467 with 120 deaths and a death-rate of '41. The average for the previous 5 years is '84.

4 deaths occurred amongst vaccinated cases in which scars were visible, 7 deaths amongst cases said to have been vaccinated in infancy in which no scars were visible and 7 deaths amongst unvaccinated.

In the case of children under 5 years of age, one was vaccinated and none died. 5 were unvaccinated, of these 3 died. 2 cases were said to have been vaccinated in infancy but no marks were visible, of these one died.

83 cases including 5 cases of the previous year were treated in the Hospital of which 9 died giving a case mortality rate of 10.84. 18 cases were treated at home, of which 9 died giving a case mortality rate of 50.00.

Influenza.—228 deaths from Influenza were recorded during the year as compared with 813 in the previous year. A statement showing Influenza deaths by races and months is given below :—

Months.	Europeans.	Anglo-Indians.	Hindus.	Mohamedan and Malays.	Burmese.	Chinese and Panthays	Others.	Total.
January	21	3	7	...	...	31
February	22	8	3	...	...	33
March	1	14	9	3	...	1	28
April	1	11	4	2	...	2	20
May	5	1	2	2	...	10
June	11	4	1	...	...	16
July ...	1	...	10	6	3	...	2	20
August	7	1	6	...	...	15
September	9	3	...	...	...	12
October	5	3	...	...	...	8
November	9	2	1	...	...	12
December	15	4	2	...	1	22
Total ...	1	2	139	48	30	2	6	228

Enteric Fever.—38 deaths from Enteric fever were recorded as compared with 31 in the preceding year.

The number of deaths reported in each of the preceding five years is given below :—

1916	...	26
1917	...	39
1918	...	23
1919	...	15
1920	...	31

The death-rate for the year was '11 and the average for the previous 5 years is '09.

Malarial Fever :—During the year 387 deaths were registered as compared with 352 in the preceding year giving a death-rate of 1.13. The average for the last five years is .97.

Diarrhoea and Dysentery :—Diarrhoea and Dysentery accounted for 976 deaths. Of these 231 were reported from Hospitals and other Public Institutions.

The death-rate per mille was 2.85; the average for the last five years being 3.58.

Tuberculosis :—915 deaths from Tuberculosis were reported giving a death-rate of 2.67 per mille as compared with a death-rate of 3.14 in the previous year. Of these 856 were recorded as Phthisis. Of the 915 who died of this disease, 650 were males and 265 females, giving death-rates of 2.75 and 2.52 on the census population respectively. The highest number of deaths was recorded from Theinbyu. Of the 915 deaths, 35 were recorded in Hospitals and Other Public Institutions.

The following statement gives the death-rates from Tuberculosis according to Sex for the last five years :—

Year.	Male.	Female.
(Census Population).		
1916 ...	1.59	1.85
1917 ...	2.48	2.99
1918 ...	2.57	2.86
1919 ...	3.20	2.99
1920 ...	3.20	2.97

The death-rate amongst various Communities was as follows :—

Hindus ...	...	3.51
Mohammedans and Malays ...	...	2.45
Buddhists ...	...	2.36
Christians ...	...	1.78
Other Classes ...	...	.88

Respiratory Diseases :—2,241 deaths were registered under the heading of Respiratory diseases as compared with 2,157 deaths in the previous year. Of these 413 deaths were recorded in Hospitals and Other Public Institutions. The death-rate per 1,000 population was 6.55 as compared with 7.35 in the previous year; the mean ratio for the last five years being 5.97.

Cerebro-Spinal Fever :—26 deaths from this disease were reported as compared with 25 in the previous year. 19 deaths were registered in Hospitals and Other Public Institutions.

Beri-Beri.—109 deaths were reported as compared with 106 in the previous year. Of these 56 deaths were reported from Hospitals and Other Public Institutions. The following Table gives the death-rate of the various races.—

Race	No. of Deaths	Death-rates
Hindus ...	87	.7
Mohammedans and Malays ...	8	.13
Buddhists ...	11	.09
Christians ...	3	.01
Other Classes ...	...	...

Puerperal Septicæmia :—27 deaths from this disease were recorded as compared with 42 in the previous year.

Notification of Diseases.—In June 1921, Enteric Fever, Puerperal Septicæmia, Cerebro-Spinal Meningitis, Chicken-pox, Measles and Diphtheria were added to the list of notifiable diseases for a period of one year. From June to the end of the year the cases and deaths reported were as follows :—Measles-18 cases,

deaths-nil, Chicken-pox 44 cases, deaths nil, Diphtheria 7 cases, 2 deaths, Cerebro-Spinal Meningitis 29 cases, 18 deaths, Enteric Fever 79 cases, 24 deaths Puerperal Fever 15 cases, 8 deaths. In 14 of the 15 cases of Puerperal Fever an unqualified Midwife attended the confinement.

Influenza Hospital.—The buildings which were erected in East Rangoon for use as an Influenza Hospital in the event of a severe outbreak of Influenza were handed over for use as a Charitable Hospital and Dispensary under the auspices of Sri Ramakrishna Sevasram on condition they should terminate the occupancy of the building at a 14 days' notice from the Municipality.

Swami Shyamananda superintends the working of this Charitable Dispensary which treats both in-patients and out-patients. Under the guidance of the Swami, this Hospital has done most excellent work and is very popular with the poorer classes for whose benefit it was started.

Contagious Diseases and Observation Hospitals.

Buildings.—The question of the new pucca Hospital is under consideration.

Staff.—Dr. K. R. Dalal, Assistant Health Officer, took over charge of the Hospitals on the 26th January 1921.

From July 1921 a revised staff was sanctioned.

The services of three Sub-Assistant Surgeons lent by the Inspector-General of Civil Hospitals were retained as a temporary measure.

Assistant Surgeon H. J. Parekh who was also lent by the Inspector-General of Civil Hospitals resigned his Government appointment of Temporary Assistant Surgeon and joined the Municipal Service from the 14th October 1921.

Contagious Diseases Hospital.—The total number of admissions into the Hospital was 889, of these 773 being males and 116 females. The corresponding figures for the preceding year being total 1,361 (1,214 males and 147 females). The daily average attendance in 1921 was 26 as compared with 43 in the previous year. The largest number treated on any one day during the year was 73 as compared with 109 in 1920. Of the total number admitted, 134 were voluntary admissions. The total number of deaths during the year was 238, giving a death-rate of 26.77 as compared with 15.9 of the previous year, giving a death-rate of 11.68. The higher death-rate for the present year can, in a measure, be accounted for by the fact that Plague cases are now being admitted into the Contagious Diseases Hospital, such cases being previously treated in the Special Plague Hospital which is now being used as an Observation Hospital.

Various Races treated.—Of the total number of cases admitted, 26 were Europeans and Anglo-Indians, 68 Burmese, 203 Mohammedans, 556 Hindus and 36 Other Classes.

Diseases treated.—The following Table shows the chief diseases treated in the Hospital as compared with the preceding year :—

Diseases.	1920.	1921.
Plague	82	230
Cholera	41	49
Small-pox	371	83
Influenza	46	77
Pneumonia	83	29
Cerebro-Spinal Meningitis ... ..	...	14
Other Infectious diseases	196	278

Observation Hospital.—The following Table shows the number of patients admitted:—

1920.			1921.		
Male.	Female.	Total.	Male.	Female.	Total.
4,526	213	4,739	2,536	223	2,759

The daily average attendance in 1920 was 32 and in 1921-19 . The largest number of patients admitted on any one day in the year was 150 in 1920 and 83 in 1921.

Deaths.—There were 3 deaths as compared with 99 in the preceding year. The small number of deaths was due to this Hospital being used as an Observation Hospital and not for Plague purposes.

The following Table shows the various Races admitted:—

	1920.	1921.
Europeans and Anglo-Indians ...	18	...
Burmese ...	71	16
Hindus ...	3,257	1,773
Mohamedans ...	1,247	752
Other Classes ...	146	218
	4,739	2,759

The rise in Other Classes was due to a large number of Chinese who arrived from China and Singapore.

The following Table shows the various diseases which passengers admitted were found to be suffering from:—

Diseases.	1920.	1921.
Plague ...	104	...
Cholera ...	10	...
Influenza ...	...	38
Pneumonia ...	48	72
All other infectious diseases ...	57	5
Malaria ...	17	43
Relapsing Fever ...	...	2
Tubercle of Lung ...	...	1
All other diseases ...	1,737	1,141
No appreciable disease ...	2,766	1,457
Total ...	4,739	2,759

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Dispensary at Dalla.—The Committee sanctioned the proposal to open a Charitable Dispensary at Dalla. The plans and estimates are being prepared for alterations of the house now used as a Registration and Vaccination Depot to accommodate the Dispensary as a temporary measure. The Dispensary will be under the charge of the Medical Registrar, Dalla.

Rs. 17,950 has been set aside for constructing a Registration and Vaccination Station and Dispensary at Dalla.

Ambulances.—Three Ambulances are now in commission including the one for removal of infectious diseases cases referred to in my previous report.

The following Table shows the work done :—

	No. of trips made.	No. of patients conveyed.
Ambulance No. 1 (Accident Ambulance)	632	632
Ambulance No. 2 (Removal of suspects from Steamers.)	628	3,308
Ambulance No. 3 (Infectious disease Ambulance.)	163	183

Free use of one of the Ambulances by the Society for the Promotion of Infant Welfare for conveying patients to the Dufferin Hospital, was granted by the Municipal Committee in April 1921.

Markets.—Markets were, as usual, regularly inspected by Assistant Health Officers.

Laboratory.—The Municipal Analyst was appointed on the 19th August 1921.

The Laboratory was not in full working order by the end of the year but very early in 1922 all Municipal chemical work was being done there and now the staff are also prepared to do ordinary Municipal bacteriological work.

Jerked Meat.—The Port Trust Authorities continue to report the arrival of all consignments of Jerked Meat to the Municipal Health Officer. Such meat is then inspected by a Sanitary Inspector before delivery and meat found to be in bad condition is destroyed.

Ghee.—69 samples of Ghee were taken during the year. 25 were reported to be adulterated. 21 cases were tried under the Ghee Act—17 for adulteration, 3 for refusal to sell sample for analysis and one for keeping substance for adulteration, of which 20 prosecutions were successful. The fines imposed amounted to Rs. 1,155 plus costs Rs. 20.

The remaining case was acquitted as the witness could not properly identify the accused.

Burial Grounds.—As the Burmese portion of the Municipal Cemetery at Hanthawaddy Road, Kemmendine, is almost fully used up, the Committee sanctioned to purchase as much land as possible adjoining the Hindu portion of this burial ground for a sum of Rs. 1,00,000 and to keep same in reserve until the land already allotted to the several Communities is quite used up.

Permission was granted to the residents of Chauk-Nun-But village to bury their dead in the Monywa Seikgyi Burial Ground which is outside the Municipal limits, with the previous approval of the Deputy Commissioner, Hanthawaddy District.

Land comprising 6.326 acres has now been acquired for the extension of the Mohammedan and Burmese burial ground at Dalla.

A burning ground has been opened for the use of Hindus at Dalla.

Public Urinals & Latrines.—20 Public Urinals were provided on the Back Drainage Spaces during the year 1921-22.

Back & Side Drainage Spaces.—The whole of the drainage spaces in Block G and half of G1 were paved during the year 1921-22.

Reclamation.—The total area of Government land reclaimed during the year was 61 acres.

22.414 acres were equipped with roads.

1,953 running feet of main drainage channels and 14,020 running feet of surface drains were constructed.

Water & Sewage Improvements.—Sealed sewer main from Mogul Street along Merchant Street, Mayo Street and Monkey Point Road, was renewed.

Private and Intermediate Manholes were built up and the existing private Manholes in Blocks G and G1 were taken out.

6" gravitating sewers in back drainage space were made between Tseekai Maung Taulay Street and 31st Street in Block D3.

6" Water main from Hteedan Street to Kemmendine Strand Market also were made.

No new block was taken over.

Staff.—Dr. H. H. Marshall, one of the Assistant Health Officers, returned from leave on the 19th April 1921.

Another Assistant Health Officer, Dr. J. Hormasji, went on one month and ten days' privilege leave from the 18th April 1921.

Dr. K. R. Dalal was appointed as third Assistant Health Officer from the 26th January 1921.

Mr. D. M. Gangolli was appointed as Analyst for the Municipal Laboratory from the 19th August 1921.

Against the four appointments of Supervisors of Registration and Vaccination sanctioned, three Assistant Surgeons were appointed. Of these three, 2 resigned and their places were filled in by Sub-Assistant Surgeons as Temporary Medical Registrars.

For the Dalla Dispensary, one 2nd grade Sanitary Inspector, 1 Compounder and an allowance of Rs. 25 for one of the Medical Registrars (Sub-Assistant Surgeon) for holding charge of the Dispensary was sanctioned. He will also be in charge of the Registration and Vaccination of the Circle.

Vaccination Report for the Year 1921-22.

The total number of vaccinations performed during the official year 1921-22 was 42,630. This figure includes 18,366 passengers who were vaccinated on arrival of steamers by Municipal Vaccinators under instructions of the Port Health Authorities.

Of the total number of vaccinations recorded, 26,890 were primary vaccinations and 15,740 were re-vaccinations.

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The corresponding figures for the year 1919-20 and 1920-21 were 48,219 (16,290 primary and 31,929 re-vaccinations) and 34,603 (22,322 primary and 12,281 re-vaccinations) showing an increase of 10,600 in primary operations and 16,189 decrease in re-vaccinations as compared with the figures of 1919-20 and an increase of 4,568 in primary operations and an increase of 3,459 in re-vaccinations as compared with the figures of 1920-21.

The number of successful vaccinations was 12,461 showing a decrease of 7,184 as compared with the figures of 1919-20 and an increase of 1,521 as compared with the figures of 1920-21.

5,043 vaccinations were performed in the Rangoon Central Jail (*vide* Table No. V.)

7,262 children under the age of six were successfully vaccinated showing an increase of 822 and an increase of 587 as compared with the figures for 1919-20 and 1920-21 respectively.

The percentage of successful cases was 99.73 in primary vaccinations and 49.21 in re-vaccinations. The corresponding figures for the years 1919-20 and 1920-21 were 99.87 and 60.40 and 99.58 and 49.35 respectively.

Staff.—The following changes took place in the staff. Out of four Supervisors sanctioned, three were appointed during the year. One of them after a short stay went on sick leave to Calcutta, over-stayed his leave and forfeited his appointment. The second resigned. In place of these, two extra Medical Registrars were taken on as a temporary measure. The services of two Medical Registrars were dispensed with and their places were filled in by others.

Two extra Health Visitors were appointed bringing up the total to sanctioned strength of four.

Cost.—The cost of each successful case in 1921-22 was 0-11-10 pies. In 1919-1920 the cost was 0-10-6 and 1920-21, 0-13-4.

The decrease in cost was due in a measure to no lymph having been purchased from Bangalore and also to the Capitation grant, etc., being somewhat less than the preceding year.

Lymph.—The quality of the lymph prepared in the Municipal Vaccine Depot was on the whole satisfactory. No complaints were received. 3,340 tubes of lymph were obtained from Meiktila. The supply of seed lymph from Bangalore was discontinued.

Prosecutions.—10 prosecutions for failing to report small-pox cases were instituted during the year and one prosecution under the Vaccination Act was instituted.

Vaccine Depot Report for the Year 1921-22.

Buildings.—No alterations were made to the buildings.

Establishment.—The establishment remains the same as in the preceding year.

Inoculation.—No special experiments of any kind were carried out. 63 calves were inoculated with seed lymph from Meiktila; of these 1 failed to take.

3 calves died before inoculation from Dysentery, Gastritis and Pneumonia respectively and 1 calf died after inoculation from Gastritis.

Expenditure—Statement No. 1 shows the expenditure incurred.

Statement No. II shows details regarding calves.

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As usual no lymph was issued until the Veterinary Officer had reported that the *post-mortem* examination of the calf showed it to be free from disease.

Out-put of Paste.—Details are given in Statement No. III.

29,036 grains of pulp were obtained from 62 calves giving an average of 468.32 grains per calf; the average of last year being 457.50.

45,745 grains of vaccine paste were manufactured and 1,750 grains remained over from the preceding year making a grand total of 47,495 grains. Of this, 32,535 grains were issued to Municipal Vaccinators, 7,690 grains to Private Medical Practitioners and 6,090 grains were destroyed, leaving a balance of 1,180 grains at the end of the year.

5,100 grains of seed lymph were obtained from Meiktila. No lymph was purchased from Bangalore.

General Remarks.—There were no unfavourable reports received with reference to the lymph manufactured. The quality of the lymph taken as a whole was good.

The percentage of primary successful cases was 99.73 as compared with 99.58 in the preceding year.

(Sd.) HUBERT H. MARSHALL, D.P.H.,

OFFG. HEALTH OFFICER,
Rangoon Municipality.

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ANNUAL FORM NO. A.—*Meteorological Data for Rangoon Town during the year 1921.*

LATITUDE 16°46 North.

LONGITUDE 96°18 East.

Height of Cistern of Barometer above Sea-level. 35°70 feet (Reduced level).

Months.			READING OF THERMOMETER.			Degree of humidity complete saturation being 100.	Prevailing direction of wind.	RAINFALL
			Dry.					Total fall of rain during the month.
			Maximum.	Minimum.	Mean daily value.			
January	...	...	89°5	67°7	78°6	81	N. 31° E.	...
February	...	...	91°7	66°4	79°0	75	N. 22° E.	...
March	...	...	95°3	72°6	83°9	82	S. 80° W.	0°04
April	...	...	93°8	76°7	87°5	78	S. 87° W.	...
May	...	...	91°0	76°7	83°8	86	S. 4° W.	16°47
June	...	...	86°5	76°2	81°3	91	S. 6° W.	21°27
July	...	...	85°8	76°5	81°2	90	S.	18°83
August	...	...	85°2	76°0	80°5	92	S. 27° W.	20°41
September	...	...	85°1	76°4	80°7	92	S. 2° W.	16°18
October	88°8	76°5	87°6	87	N. 32° E.	3°90
November	87°1	72°3	79°7	81	N. 35° E.	3°19
December	87°2	67°1	77°1	78	N. 32° E.	...

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Table No. 1.—Births registered by Registration Circles during 1921.

No.	2	3		4		5		6	7	8	9				
		POPULATION ACCORDING TO CENSUS 1921.		NUMBER OF BIRTHS REGISTERED.		RATIO OF BIRTHS PER 1,000 OF POPULATION.					Excess of births per 1,000 of population.	Excess of deaths per 1,000 of population.	Excess of births per 1,000 of population.		
		Male.	Female.	Male.	Female.	Male.	Female.							Male.	Female.
Registration Circles.															
	North Kemmendine...	13,687	10,519	26,206	295	279	574	18.81	26.52	21.90	105.74	17.59	...	...	...
	South Kemmendine...	20,910	11,003	31,913	436	393	829	20.85	35.72	23.28	110.54	15.98	...	...	...
	Lumadaw	12,991	6,960	19,951	504	475	979	19.85	36.64	23.58	95.69	13.38	...	...	...
	Tarakan	13,528	5,173	18,701	167	155	322	13.57	22.91	16.63	118.37	15.76	...	...	...
	North-West Town	18,768	5,173	23,941	167	155	322	10.20	29.96	14.95	107.74	8.45	...	...	...
	South-West Town	8,883	2,871	11,754	72	60	132	8.10	20.90	11.23	120.00	5.10	...	...	...
	North-East Town	16,190	6,830	23,040	231	224	455	14.27	35.69	19.75	103.12	3.95	...	...	...
	South-East Town	12,441	3,459	15,870	135	122	258	10.93	33.58	16.26	111.48	1.96	...	...	...
	Botataung	13,648	5,671	19,319	235	216	451	17.22	38.09	23.34	108.80	8.90	...	...	...
	Yegayaw	15,048	8,451	23,500	227	208	435	15.09	24.90	18.59	109.13	18.12	...	...	...
	Thaibya	23,288	13,912	37,200	407	366	773	17.48	26.31	20.78	113.90	13.30	...	...	...
	Cautionment	4,540	1,931	6,471	19	16	35	4.3	20.78	11.20	113.90	1.39	...	...	...
	Dala	11,731	3,926	15,657	161	167	328	13.72	42.54	20.95	106.32	16.39	...	...	...
	Kanungro	...	20,441	10,393	30,924	106	110	9.50	23.92	13.71	96.36	11.81	...	...	...
	North-West Town	...	20,541	10,393	30,924	293	281	14.26	27.02	18.56	104.27	14.59	...	...	...
	Port	...	13,400	401	13,801	...	...	...	...	...	...	...	...	...	...
	Hospitals and other Public Institutions.	6,566	1,334	7,900	...	...	...	...	...	...	...	...	...	...	...
	Adventitious population.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Total	236,689	105,273	341,962	3,224	3,030	6,254	13.62	28.78	18.28	106.40	17.00	15.54	34.96	21.18

Table No. 2.—Statement of Deaths by Registration Circles during 1921

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1	2	3	4	5		6		7	8										9										
				POPULATION (CENSUS 1921.		NUMBER OF DEATHS REGISTERED.			Total.	Male.	Female.	Cholera.	Measles and Chicken-pox.	Plague.	Erysipelas.	Typhoid Fever.	Malaria.	Other fevers.	Dysentery and Diarrhoea.	Tubercular.	Respiratory Diseases.	Injury.	All other causes.	All causes.		Total.	Male.	Female.	MEAN RATIO OF DEATHS PER 1,000 DURING PREVIOUS FIVE YEARS.
No.	Registration Circles.	Area in square miles.	Average population per square mile.	Male.	Female.	Male.	Female.	Number of deaths in 1,000 males to every 100 females.																Small-pox.	Cholera and Typhoid.				
	North Kemendine...	3.37	7,776.26	15,687	10,519	26,206	618	417	1,035	148.20	11	...	...	6.45	...	1.56	69	282	214	4.01	11	21.60	39.40	39.64	39.49				
	South Kemendine...	2.43	13,135.92	20,910	11,003	31,913	421	354	775	119.92	06	...	...	2.41	...	...	63	1,471	1,691	4.23	09	12.72	20.13	32.17	24.28				
	Lannadaw ...	0.17	113,241.18	12,291	6,660	19,251	470	325	795	144.62	21	10	...	...	...	...	88	2,281	1,661	7.63	05	21.87	38.24	46.10	41.30				
	Taukan ...	0.13	168,838.46	13,999	7,950	21,949	470	241	711	105.02	04	...	...	...	...	...	36	2,781	2,555	6.83	...	17.18	33.27	30.31	35.39				
	North-West Town ...	0.13	16,57	16,268	5,173	21,541	328	176	504	186.96	...	05	...	...	...	...	70	83	158	6.22	...	10.26	20.04	34.02	23.39				
	South-West Town ...	0.11	106,854.55	8,883	2,871	11,754	117	75	192	156.00	42	08	...	...	...	...	...	...	...	...	...	...	...	...	...
	North-East Town ...	0.17	135,529.41	16,190	6,850	23,040	331	225	546	142.67	04	17	...	...	...	...	61	1,177	1,085	6.68	04	10.89	19.83	32.85	23.70				
	South-East Town ...	0.21	75,571.43	12,441	3,429	15,870	217	72	289	301.39	06	...	...	...	...	...	50	881	1,200	5.96	06	7.06	17.44	21.00	18.21				
	Botaung ...	1.25	34,174.4	13,648	5,071	19,319	429	194	623	221.13	36	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Yegraw ...	1.39	26,702.29	15,948	6,351	23,399	520	339	829	159.93	47	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Thienbya ...	1.35	4,793.33	23,283	13,912	37,200	742	548	1,260	135.10	24	03	...	...	...	...	...	...	...	...	...	...	...	...	...
	Connamant ...	1.35	4,793.33	4,540	1,931	6,471	79	50	129	158.00	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Dalla ...	1.25	4,774.16	11,731	3,926	15,657	268	160	428	167.50	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Kanawango ...	6.88	4,599.15	11,158	4,599	15,757	268	131	399	204.58	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Tanaw ...	5.28	5,858.71	20,541	10,393	30,934	593	426	1,019	139.20	32	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Fort ...	...	...	13,400	401	13,801	8	0	8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Hospitals and other Public Institutions...	...	...	...	...	...	2,025	439	2,464	461.26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Adventurers' population.	6,566	1,334	7,900				
	Total ...	22.57	11,511.17	336,689	163,273	500,000	7,894	4,172	2,066	189.21	30	05				

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Table No. 3.—Deaths by Registration Circles during each month of the year 1921.

Registration Circles.	Jan.	Feb.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.	Total.
North Kemmerdine	...	84	95	137	102	80	92	70	87	69	71	73	1,035
South Kemmerdine	...	64	103	85	64	49	64	61	45	46	70	61	775
Lamudaw	...	62	59	60	89	66	79	100	80	54	44	45	795
Tavoktan	...	58	52	74	66	73	66	72	52	62	42	44	711
North-West Town	...	45	34	57	54	39	44	47	50	35	34	40	504
South-West Town	...	14	11	19	21	15	22	20	14	12	15	17	192
North-East Town	...	42	39	45	56	37	36	72	46	37	44	47	546
South-East Town	...	25	36	15	17	19	22	36	37	21	18	22	289
Botakung	...	41	40	53	73	39	45	68	57	56	42	54	623
Yegyaw	...	73	82	75	74	55	106	78	80	58	60	63	859
Theinbyu	...	114	116	126	95	104	118	139	116	104	84	100	1,290
Cantonment	...	10	12	10	9	4	15	15	8	7	17	11	129
Dala	...	46	42	33	44	31	41	38	35	34	19	30	428
Kaoungto	...	47	48	40	28	24	29	39	25	21	31	31	399
Tamwe	...	76	79	84	67	60	81	118	106	95	81	86	1,019
Port	1	2	1	...	...	...	...	...	1	2	8
Hospitals and other Public Institutions.	...	204	194	251	202	172	213	219	208	206	205	213	2,464
Total	...	1,005	1,043	1,171	1,062	867	1,234	1,066	984	845	906	943	12,066

Table No. 6.

Statement showing the Birth-rate and Infantile Mortality in each Circle of Rangoon Town for the year 1921.

Circles.	Estimated normal population of 1921.	Deaths under 12 months of age.	Total recorded births.	Estimated birth rate calculated on estimated normal population.	Infantile mortality per 1,000 births.	Remarks.
North Kemmendine ...	21,038	183	574	27.28	318.82	
South Kemmendine ...	22,006	143	829	37.67	172.50	
Lanmadaw ...	13,920	134	499	35.85	268.54	
Taroktan ...	15,900	141	365	22.96	386.30	
North-West Town ...	10,346	99	322	31.12	307.45	
South-West Town ...	5,742	59	132	22.99	446.97	
North-East Town ...	13,700	130	455	33.21	285.71	
South-East Town ...	6,858	48	258	37.62	186.05	
Botataung ...	11,342	104	451	39.76	230.60	
Yegyaw ...	16,702	160	435	26.04	367.82	
Theinbyu ...	27,824	256	773	27.78	331.18	
Cantonment ...	3,862	39	43	11.11	906.98	
Dalla ...	7,852	91	328	41.77	277.44	
Kanaungto ...	9,198	74	216	23.48	342.59	
Tamwe ...	20,786	231	574	27.61	402.44	
Port ...	802	...	...	...	...
Hospitals and other Public Institutions	126	
Adventitious Popln ...	2,668	
Total ...	210,546	2,018	6,254	29.70	322.67	

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Table No. 7.—Statement showing the number of Deaths in Rangoon Town from various causes for 1919, 1920 and 1921.

Months.	Cholera.			Small-pox.			Measles.			Plague.			Fever.			Bowel complaints.			Respiratory Diseases.			Injuries.			Other causes.			Total.				
	1919	1920	1921	1919	1920	1921	1919	1920	1921	1919	1920	1921	1919	1920	1921	1919	1920	1921	1919	1920	1921	1919	1920	1921	1919	1920	1921					
January	...	14	3	16	59	14	...	...	...	1	...	46	76	51	426	117	73	81	91	78	172	233	279	18	21	29	466	434	479	1,282	950	1,005
February	...	11	1	11	130	20	1	1	2	...	67	202	88	446	166	85	72	79	73	184	251	273	18	16	19	406	386	493	1,335	1,123	1,043	
March	...	21	7	8	208	22	7	...	...	1	161	259	158	470	178	85	86	79	70	209	246	369	13	22	23	492	431	510	1,660	1,245	1,171	
April	...	28	6	13	122	29	8	3	3	...	146	131	107	349	141	76	88	64	69	217	261	327	16	22	15	473	391	447	1,442	1,048	1,062	
May	...	34	7	11	56	15	2	...	...	1	...	32	53	46	203	108	45	67	71	69	102	178	257	17	29	15	466	389	422	1,019	831	867
June	...	43	8	4	25	7	...	...	...	1	...	37	82	97	290	127	52	125	115	97	348	214	243	14	16	21	500	404	426	1,415	944	940
July	...	51	16	6	10	4	...	...	...	3	...	29	110	214	498	135	55	181	120	130	235	262	273	13	9	17	657	527	539	1,744	1,186	1,234
August	...	15	...	4	12	5	...	...	...	2	...	71	132	126	320	109	58	154	110	106	201	246	245	16	16	20	507	474	507	1,326	1,024	1,066
September	...	5	1	5	6	4	...	...	...	...	64	122	109	55	45	81	80	71	205	264	216	18	8	28	488	391	497	1,066	864	984		
October	...	1	2	1	15	...	...	...	...	...	21	18	41	173	96	49	99	51	55	226	286	304	15	19	29	530	501	466	1,080	933	845	
November	1	6	5	...	...	...	...	...	1	13	11	24	159	77	45	106	46	81	278	249	236	9	26	20	502	484	494	1,072	895	906
December	...	9	9	16	8	...	...	...	...	...	25	22	52	181	59	75	98	84	77	271	268	235	19	3	14	502	522	474	1,113	967	943	
Total	...	232	61	101	656	120	18	4	15	1	782	1,127	1,126	3,746	1,328	743	1,771	990	976	2,748	4,958	3,097	186	307	250	5,929	5,334	5,754	18,554	12,140	12,066	

Table No. 8.—Deaths registered from Cholera by Registration Circles during each month of the year 1921.

1	2	3												4			5		6	7
No.	Registration Circle.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	TOTAL.		Male.	Female.	Total.	Mean ratio per 1,000 during previous five years.	No.
															Male.						Female.
	North Kemmendine	2	1	...	...	...	...	...	...	...	...	...	...	3	3	...	...	...	.11	
	South Kemmendine	...	2	...	...	...	...	...	...	...	...	...	...	2	2	...	...	...	.06	
	Lanadaw	...	...	...	...	3	...	1	...	...	...	...	...	2	2	...	...	.29	.21	
	Taroktan	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	.07	.04	
	North-West Town	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	South-West Town	2	1	1	...	...	...	...	...	1	...	...	...	4	1	5	45	.35	.42	
	North-East Town	...	...	...	...	1	...	...	...	...	...	...	...	1	...	1	.06	...	.04	
	South-East Town	...	1	...	...	...	...	...	...	...	...	...	...	1	...	1	.08	...	.06	
	Bolatang	2	...	1	1	2	1	...	1	...	...	...	...	7	...	7	.51	...	.36	
	Yegaw	4	...	...	4	...	1	...	...	...	...	1	...	11	...	11	.73	...	.47	
	Thinbyu	...	2	...	...	1	1	4	...	1	...	...	...	8	1	9	.34	.07	.24	
	Cantonment	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Dala	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Kaoungto	2	...	...	...	...	...	...	...	...	...	...	...	2	...	2	.18	...	.13	
	Tanwe	...	1	...	1	1	...	1	1	1	3	...	...	9	1	10	.44	.10	.32	
	Port	...	1	...	1	...	...	...	...	...	...	2	...	4	...	4	.30	...	.29	
	Hospitals and other Public Institutions.	3	4	5	5	3	1	...	2	2	...	3	13	39	2	14	
	Total	16	11	8	13	11	4	6	4	5	1	6	16	94	7	101	47	.30	.33	

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Table No. 9.—Deaths registered from Small-pox by Registration Circles during each month of the year 1921.

1	2	3												4			5			6	7
		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Male.	Female.	Total.	Male.	Female.	Total.		
No.	Registration Circles.																			Mean ratio per 1,000 during previous five years.	No.
	North Khammouane	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
	South Khammouane	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Khammouane	..	..	1	..	1	..	..	..	..	..	..	..	2	..	2	..	..	..	..	..
	Taekhan	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	North-West Town	..	..	1	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..	..	..
	South-West Town	..	..	..	1	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	..
	North-East Town	..	1	1	2	..	..	..	..	..	..	..	..	2	2	4	12	29	41	..	..
	South-East Town	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Botatung	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Yegraw	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Thienbyu	..	..	1	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	..
	Camtonment	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Dala	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Kanoungio	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Tanwe	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Port	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Hospitals and other Public Institutions.	..	..	3	5	1	..	..	..	..	..	..	..	8	1	9	..	..	..	..	..
	Total	..	1	7	8	2	..	..	..	..	..	..	..	13	5	18	46	45	..	..	84

Table No. II—Deaths registered from Plague by Registration Circles during each month of the year 1921.

1	2	3												4		5		6	7
		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Male.	Female.	Male.	Female.	Ratio of Deaths per 1,000 of Population.	
No.	Registration Circles.													Total.		Total.		Mean ratio per 1,000 during previous five years.	No.
...	North Kemendine	14	24	55	27	4	2	21	8	9	1	3	11	113	56	169	720	532	645
...	South Kemendine	1	10	25	8	...	6	9	4	5	2	4	3	47	30	77	225	273	241
...	Lamudaw	...	5	2	6	7	26	36	10	6	3	...	1	71	31	102	578	445	530
...	Tavokan	1	...	1	2	4	3	1	4	...	...	...	...	14	6	20	130	75	91
...	North-West Town	1	2	5	5	1	4	10	11	18	7	...	7	58	11	69	354	213	320
...	South-West Town	...	1	1	1	...	1	2	4	...	2	...	1	8	5	13	90	174	110
...	North-East Town	...	...	...	...	...	4	15	6	7	3	...	1	26	10	36	161	146	156
...	South-East Town	...	1	1	...	...	1	2	13	5	3	2	1	29	1	30	233	29	189
...	Botanang	...	5	6	20	6	7	25	14	14	...	2	2	74	27	101	542	476	522
...	Yegyaw	1	13	18	11	2	6	31	17	8	2	1	4	70	44	114	465	527	487
...	Theinbyu	25	16	23	12	13	14	19	7	13	2	2	4	88	63	151	378	453	466
...	Cantonment	...	...	...	...	...	...	1	...	...	...	...	...	...	1	1	...	52	15
...	Dala	1	4	4	...	...	...	...	1	2	...	1	...	...	6	13	60	153	83
...	Kanongto	...	...	...	...	...	...	1	...	...	...	...	...	1	...	1	...	...	...
...	Tanwe	1	2	1	7	2	3	7	7	11	2	2	7	34	18	52	165	173	168
...	Port	...	...	2	...	...	1	...	...	...	...	1	...	4	...	4	...	...	...
...	Hospitals and other Public Institutions.	4	5	15	10	6	17	30	30	24	14	8	10	151	22	173	...	...	...
...	Total	51	88	158	107	46	97	214	126	122	41	24	52	795	331	1,126	3,36	3,14	3,59
...																		4.56	

Table No. 12—Deaths registered from Enteric Fever by Registration Circles during each month of the year 1921

1	2	3												4			5			6	7
No.	Registration Circles.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	TOTAL.			RATIO OF DEATHS PER 1,000 OF POPULATION.			Mean ratio per 1,000 during previous five years.	No.
		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Male.	Female.	Total.	Male.	Female.	Total.		
	North Kemmendine	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	South Kemmendine	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Lanmadaw ...	...	...	...	...	...	...	...	...	1	...	1	...	1	1	2	.08	.14	.10	...	...
	Taruktan ...	...	...	...	...	...	...	...	...	...	1	...	...	1	...	1	.07	...	.04	...	...
	North-West Town	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	South-West Town	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	North-East Town	...	...	1	...	...	...	...	...	...	...	...	...	1	...	1	.06	...	.04	...	...
	South-East Town	...	1	...	...	...	1	...	...	...	...	...	...	...	2	2	...	.58	.13	...	...
	Botataung ...	1	...	...	...	1	...	...	...	...	...	...	...	2	...	2	.15	...	.10	...	...
	Yegyaw ...	...	...	...	...	...	...	...	1	...	...	1	...	2	1	3	.13	.12	.13	...	...
	Theinlyu ...	...	...	...	...	...	...	...	...	1	...	...	...	1	...	1	.04	...	.03	...	...
	Cantolment ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Dala ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Kanoungto ...	...	...	...	...	...	...	...	...	1	...	...	...	1	...	1	.09	...	.06	...	...
	Tamwe ...	...	...	...	...	...	...	...	...	1	...	...	...	1	...	1	.05	...	.03	...	...
	Port ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Hospitals and other Public Institutions.	2	1	3	3	2	2	3	1	1	1	4	1	20	4	24
	Total ...	3	2	4	3	3	3	3	2	5	2	6	2	30	8	38	.13	.08	.1109

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Table No. 13.—Deaths registered from Malarial Fever by Registration Circles during each month of the year 1921.

1	2	3												4		5		6	7
No.	Registration Circles.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.	Male.	Female.	Ratio of Deaths per 1,000 of Population.	Mean ratio per 1,000 during previous five years.	
	North Kemendine	3	4	6	6	1	2	1	4	1	5	4	4	35	6	41	223	57	156
	South Kemendine	4	4	3	4	3	3	1	2	1	1	1	4	26	5	31	124	45	97
	Lamadaw	1	4	3	2	2	...	2	2	1	3	3	2	21	4	25	171	57	130
	Tarokan	2	2	2	5	2	4	5	2	3	5	1	3	34	2	36	243	45	164
	North-West Town	1	...	...	3	2	...	2	1	...	2	...	1	12	...	12	73	...	56
	South-West Town	...	...	1	...	1	...	...	1	...	...	...	2	4	1	5	45	35	42
	North-East Town	...	...	...	1	2	3	1	...	...	1	...	1	7	2	9	43	29	39
	South-East Town	1	1	...	2	...	...	...	...	1	1	...	1	7	...	7	56	...	44
	Bontang	2	...	1	...	1	1	1	2	2	1	...	1	11	1	12	80	18	62
	Yegaw	4	5	7	3	...	2	3	1	1	1	...	2	22	7	29	146	84	124
	Thienbyu	2	...	4	4	7	3	3	3	2	2	3	3	23	12	35	99	86	94
	Cantonment	...	...	...	...	...	1	...	...	...	...	1	...	2	...	2	44	...	31
	Dala	3	2	3	5	2	3	2	5	4	1	3	5	29	9	38	247	229	243
	Kanunglo	4	5	4	2	...	1	1	...	1	1	...	4	20	3	23	179	65	146
	Tanawe	3	9	8	2	1	5	2	4	2	4	3	6	38	11	49	185	106	158
	Port	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Hospitals and other Public Institutions.	2	4	1	...	6	2	1	2	2	5	6	2	31	2	33	...	...	...
	Total	32	40	43	59	30	30	25	29	21	33	21	41	322	65	387	136	62	113
																			97

.97

Table No. 14—Deaths registered from other Fevers by Registration Circles during each month of the year 1921.

1	2	3												4		5		6	7
		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	TOTAL.		RATIO OF DEATHS PER 1,000 OF POPULATION.		Mean ratio per 1,000 of population previous five years.	No
No.	Registration Circles.													Male.	Female.	Male.	Female.		
														Total.	Total.	Total.	Total.		
	North Kemmaidine	...	3	4	2	...	...	2	1	2	1	...	...	17	1	108	-09	49	
	South Kemmaidine	...	1	3	2	2	1	1	1	3	1	2	2	12	8	-57	-73	63	
	Lamnadaw	...	...	1	3	3	2	1	...	3	...	...	...	3	9	-73	1-15	-88	
	Taroktan	...	...	1	1	...	1	...	2	...	1	...	2	4	4	-28	-50	-36	
	North-West Town	...	4	4	...	1	...	1	...	...	...	2	11	4	15	-67	-77	-70	
	South-West Town	...	...	...	...	...	...	1	...	...	...	...	...	1	...	-11	...	-08	
	North-East Town	...	1	3	3	2	...	...	1	2	2	...	...	10	4	-62	-58	-61	
	South-East Town	...	2	1	1	...	1	1	1	1	...	...	...	8	...	-64	...	-50	
	Boisatung	...	...	4	6	5	1	2	3	3	...	2	8	33	3	2-42	-53	1-86	
	Yagaw	...	12	8	4	1	2	4	6	6	3	1	1	38	11	2-52	1-32	2-09	
	Theinbu	...	9	14	3	6	2	3	2	2	...	1	1	43	3	1-85	-21	1-24	
	Canonment	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Dela	...	2	...	1	...	...	...	...	...	...	...	...	3	...	-25	...	-19	
	Knoungo	...	...	1	...	...	...	...	...	...	...	...	...	1	...	-49	...	-06	
	Tunwe	...	2	3	4	6	...	4	1	1	1	1	6	26	4	30	1-26	-38	97
	Port	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Hospital and other Public Institutions.	2	...	2	6	...	4	7	7	3	8	8	5	43	9	52	
	Total	38	43	38	34	12	19	27	27	19	14	15	32	259	59	318	1-09	-56	-93

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Table No. 14 A—Deaths registered from Influenza by Registration Circles during each month of the year 1921.

1	2	3												4			5		6	7
No.	Registration Circles.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	TOTAL.		Male.	Female.	Total.	Mean ratio per 1,000 during previous five years.	No.
														Male.	Female.						Total.
	North Kemendine	...	2	2	...	...	...	1	...	1	...	...	...	6	...	6	...	38	...	23
	South Kemendine	...	...	2	...	...	1	...	2	1	...	1	...	7	1	8	...	33	49	25
	Lamadaw	...	...	1	1	2	1	...	1	...	1	...	...	3	5	8	...	24	72	41
	Taoktan	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	13	04
	North-West Town	...	3	3	2	...	...	...	...	...	...	1	...	6	3	9	...	37	58	42
	South-West Town	...	...	...	...	...	...	1	...	...	...	...	...	1	...	1	...	11	...	08
	North-East Town	...	1	3	2	2	...	...	...	1	1	...	...	7	4	11	...	43	58	48
	South-East Town	...	2	1	1	...	...	...	1	...	...	...	...	6	...	6	...	48	...	38
	Botataung	...	...	3	6	5	1	2	3	2	...	2	8	31	3	34	...	247	53	176
	Yegaw	...	11	8	4	1	2	4	6	5	3	1	1	36	11	47	...	239	132	201
	Thainbyu	...	9	10	3	4	2	3	2	2	...	1	2	36	3	39	...	154	22	105
	Cantonment	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Dala	...	2	...	...	...	...	...	...	...	...	...	...	2	...	2	...	17	...	13
	Kanoungto	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Tamwe	...	2	3	4	6	...	4	1	1	1	1	6	26	4	30	...	125	58	97
	Port	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Hospitals and other Public Institutions.	1	...	1	1	...	2	5	2	2	3	7	2	22	4	26	...	...	...	...
	Total	31	33	28	20	10	16	20	16	12	8	12	22	189	39	228	...	80	37	67

Table No. 14 B.—Deaths registered from other fevers excluding Influenza by Registration Circles during each month of the year 1921.

29

1	2	3												4			5		6	7
No.	Registration Circles.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Male.	Female.	Total.	Mean ratio per 1,000 during previous five years.	No.		
	North Kemmendine	3	1	2	2	...	...	1	1	1	1	...	...	11	1	12	70	409	46
	South Kemmendine	1	1	1	2	1	1	...	1	1	...	2	1	5	7	12	24	64	38	
	Lanmadaw	...	1	2	2	...	...	...	2	...	...	...	...	6	3	9	49	43	47
	Tarakan ..	...	1	1	...	...	...	2	...	1	...	2	...	4	3	7	29	38	32
	North-West Town	1	...	2	1	...	...	1	...	...	...	1	...	5	1	6	30	49	28
	South-West Town	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	North-East Town	...	...	1	...	...	...	...	1	1	...	...	...	3	...	3	18	...	13
	South-East Town	...	...	...	...	...	...	1	...	1	...	...	...	2	...	2	16	...	13
	Boraiang	...	1	...	...	...	...	...	...	1	...	...	...	2	...	2	15	...	10
	Yagayaw	1	...	...	...	...	...	...	1	...	...	...	...	2	...	2	13	...	08
	Thaibaya ..	...	4	...	2	...	...	...	...	...	...	1	...	7	...	7	30	...	19
	Cantonment	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Dala ...	...	...	...	1	...	...	...	...	...	...	...	...	1	...	1	09	...	06
	Kanungo	...	1	...	...	...	...	...	...	...	...	...	...	1	...	1	49	...	06
	Tumwe ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Port ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Hospitals and other Public Institutions.	1	...	1	5	...	2	2	5	1	5	1	3	21	5	26	
	Total ...	7	10	10	14	2	3	7	11	7	6	3	10	70	20	90	30	19	124	

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Table No. 15.—Deaths registered from Diarrhoea and Dysentery by Registration Circles during each month of the year 1921.

1	2	3												4		5		6	7
No.	Reganation Circles.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	TOTAL.		RATIO OF DEATHS PER 1,000 OF POPULATION.		Mean ratio per 1,000 during previous five years.	No.
														Male.	Female.	Total.			
	North Khammadias	7	6	1	5	10	9	14	4	2	6	7	3	47	27	74	3.00	2.57	2.82
	South Khammadias	3	4	4	3	3	5	8	4	3	4	5	1	31	16	47	1.48	1.45	1.47
	Lamadau	3	2	1	7	3	4	5	3	4	2	3	6	27	16	43	2.20	2.30	2.23
	Tarakan	4	5	7	7	9	7	6	5	6	2	3	...	42	19	61	3.00	2.39	2.78
	North-West Town	1	1	1	5	1	2	2	2	...	1	1	1	15	3	18	.92	.58	.83
	South-West Town	...	1	...	2	...	2	...	1	...	...	...	1	4	3	7	.45	1.04	.59
	North-East Town	3	4	1	2	2	1	4	3	...	3	4	17	10	27	1.05	1.46	1.17	
	South-East Town	2	1	...	...	2	1	2	3	1	...	...	2	13	1	14	1.04	.29	.88
	Boatung	2	3	3	5	3	8	12	5	8	3	4	1	42	15	57	3.08	2.64	2.95
	Yegaw	7	10	7	7	6	10	12	7	5	3	9	10	57	36	93	3.79	4.31	3.97
	Thainbyu	11	6	13	8	11	13	20	10	9	8	9	16	79	55	134	3.39	3.95	3.60
	Cantonment	2	1	...	...	...	3	2	3	...	...	2	1	7	7	14	1.54	3.62	2.16
	Dala	3	3	...	1	2	9	3	5	3	...	4	2	24	11	35	2.05	2.80	2.24
	Kacungto	4	4	6	4	1	...	3	2	1	...	2	2	19	10	29	1.70	2.17	1.84
	Tamwe	6	8	7	5	2	8	11	13	10	9	7	6	60	32	92	2.92	3.08	2.97
	Port	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Hospitals and other Public Institutions.	20	14	19	8	14	17	24	37	18	17	22	21	194	37	231	...	...	...
	Total	78	73	70	69	69	97	130	106	71	55	81	77	678	298	976	2.86	2.83	2.85
																			3.98

Table No. 16.—Deaths registered from Tubercle of lungs by Registration Circles during each month of the year 1921.

1	2	3												4				5		6	7
No.	Registration Circles.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.		Ratio of Deaths per 1,000 of Population.		Mean ratio per 1,000 during previous five years.	No.		
														Male.	Female.	Male.	Female.				
	North Kemmendine	...	3	2	2	6	7	7	6	5	5	1	6	6	35	21	56	2.23	2.00	214	
	South Kemmendine	...	4	7	7	4	4	4	4	5	2	3	6	4	24	30	54	1.15	2.73	169	
	Lamadaaw	...	2	2	2	7	4	2	...	2	3	3	3	1	16	15	31	1.30	2.15	161	
	Tarokan	...	10	4	11	8	2	4	3	4	4	2	1	3	43	13	56	3.07	1.63	255	
	North-West Town	...	4	...	3	2	1	2	6	1	5	3	4	3	17	17	34	1.04	3.29	158	
	South-West Town	...	...	2	...	1	...	1	1	1	1	1	2	2	7	5	12	.79	1.74	102
	North-East Town	...	6	3	1	5	2	2	2	4	6	7	6	4	26	22	48	1.61	3.21	208	
	South-East Town	...	1	...	2	1	...	...	3	6	...	2	2	2	9	10	19	.72	2.92	120
	Boiaataung	...	5	2	2	2	3	3	5	4	6	4	6	6	30	18	48	2.20	3.17	249	
	Yegyaw	...	1	6	4	5	7	2	3	2	7	4	3	4	29	19	48	1.93	2.27	205	
	Thienbyu	...	4	10	6	2	5	3	6	6	6	4	6	4	35	27	62	1.50	1.94	167	
	Cantonment	...	...	1	...	...	...	...	...	...	...	...	1	...	2	...	2	.44	...	31
	Dala	...	2	1	...	2	1	2	1	...	...	1	...	...	7	3	10	.60	.76	64
	Kanounglo	...	1	1	...	1	...	...	...	3	...	1	1	2	8	2	10	.72	.43	43
	Tanawo	...	6	4	1	1	4	4	6	4	1	1	9	3	26	18	44	1.27	1.73	142	
	Port	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Hospitals and other Public Institutions.	21	22	23	36	36	31	31	23	15	28	25	31	289	33	322	
	Total	...	70	67	64	83	76	67	77	70	61	65	81	75	603	253	856	2.55	2.40	250	
																				235	

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Table No. 17.—Deaths registered from Respiratory diseases excluding Tubercle of Lungs by Registration Circles during each month of the year 1921.

1	2	3												4		5		6	7	
No.	Registration Circles.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	TOTAL.		Male.	Female.	Total.	Mean ratio per 1,000 during previous five years.	No.
	North Kemmendine	...	9	9	15	8	9	6	9	6	11	7	5	11	59	46	105	376	437	401
	South Kemmendine	...	16	22	15	14	11	13	7	10	5	4	7	11	82	53	135	392	482	423
	Lamndaw	...	11	12	15	21	16	12	18	13	4	9	9	7	105	42	147	854	603	763
	Tarokan	...	11	11	13	14	12	17	16	12	12	11	11	10	94	56	150	671	704	683
	North-West Town	...	13	10	16	16	16	7	8	12	11	5	12	8	53	41	134	568	793	622
	South-West Town	...	3	2	9	7	4	4	6	7	4	4	2	38	18	56	428	627	476	
	North-East Town	...	16	10	18	14	11	13	15	13	13	10	9	12	99	55	154	611	803	668
	South-East Town	...	9	17	6	8	7	8	7	4	9	7	7	75	20	95	603	583	598	
	Botatung	...	10	13	14	20	8	4	11	9	5	7	16	6	88	35	123	645	617	637
	Yegyaw	...	12	12	12	15	11	10	16	14	12	15	4	10	96	47	143	638	563	611
	Thainbyu	...	16	16	14	17	19	26	31	20	16	14	12	15	136	80	216	584	575	581
	Cantonment	...	3	6	6	4	1	8	5	5	3	3	8	7	35	24	59	771	1243	911
	Dala	...	7	8	8	9	8	6	2	3	2	...	...	3	34	22	56	290	560	358
	Kanungto	...	3	5	3	9	5	8	4	7	5	7	8	9	61	12	73	547	291	463
	Tanwe	...	15	12	17	14	14	13	18	16	14	12	18	19	114	68	182	535	654	588
	Port	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Hospitals and other Public Institutions.	55	41	64	56	28	22	22	21	34	22	25	23	365	48	413	...	...	...	...
	Total	209	206	245	244	181	176	196	175	155	139	155	160	1,574	667	2,241	665	634	635	597

Table No. 19—Deaths registered from all other causes by Registration Circles during each month of the year 1921.

1	2	3												4		5		6	7		
No.	Registration Circles.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Male	Female.	Total.	Male.	Female.	Total.	Mean ratio per 1,000 during previous five years.	No
	North Kemmendine	43	43	54	48	48	48	49	42	57	48	46	37	307	259	566	19-57	24-62	21-60		
	South Kemmendine	35	53	28	29	26	31	34	35	26	31	43	35	194	212	406	9-28	19-27	12-72		
	Lamaadaw	45	32	33	43	28	34	38	47	35	36	25	25	216	205	421	17-57	29-45	21-87		
	Turokan	29	29	38	30	43	30	37	28	32	29	26	26	236	141	377	16-86	17-74	17-18		
	North-West Town	21	18	27	25	17	10	15	20	16	17	17	18	121	100	221	7-39	19-33	10-26		
	South-West Town	9	5	7	8	10	6	10	7	7	5	9	9	51	41	92	5-74	14-28	7-82		
	North-East Town	16	18	20	30	19	13	34	18	16	16	26	25	131	120	251	8-09	17-52	10-89		
	South-East Town	9	13	6	8	7	11	9	13	10	7	8	9	74	38	112	5-95	11-08	7-06		
	Botoloung	18	13	26	20	14	19	12	20	18	26	24	24	140	94	234	10-26	16-58	12-12		
	Yegaw	32	26	23	28	25	20	35	30	44	32	41	30	194	172	366	12-89	20-60	15-63		
	Tleinbyu	45	54	60	45	46	54	53	68	56	43	52	54	324	306	630	13-91	22-00	16-95		
	Cantonment	5	4	4	5	3	3	3	7	5	4	5	3	33	18	51	7-27	9-32	7-88		
	Dala	26	24	17	26	17	21	28	19	24	16	23	25	157	109	266	13-38	27-76	17-00		
	Kansungto	31	32	27	12	18	20	29	13	11	19	20	18	148	102	250	13-26	22-18	15-87		
	Tanwe	42	39	44	31	36	44	72	59	54	51	43	38	282	271	553	13-73	26-08	17-86		
	Port	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Hospitals and other Public Institutions.	73	87	96	59	65	62	81	79	86	86	86	98	717	241	958	...	...	...
		479	493	510	447	422	426	539	507	497	466	494	474	3,325	2,429	5,754	14-05	23-07	16-83		18-01

VACCINE DEPOT.

Statement No. 1.—Showing the expenditure during the year 1921-1922.

Establishment.	CALVES.		EXPENDITURE.													REMARKS.							
	Proc. chased.	Suck.	Establish- ment.	Fetty procure- ment and repairs.	Feeding of calves.	Vaccine paste.	Stamps and telegrams.	Ice.	Travel- ling allowance.	House rent.	Priming.	Advertis- ing.	Medical Stores, etc.	Sale of lymph.	Miscella- neous.		Total after deducting columns 3 and 15.						
1	2	3	4	5	6	7	8	9	10	1	12	13	14	15	16	17	18						
Vaccine Depot	1118	10	1896	69	72	2	6	29	4	...	12	12	...	358	4	10	18	...	4	...	3535	7	4

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Statement No. 11.—Showing the protected and unprotected calves during the year 1921—1922.

Establishment	CALVES.										REMARKS.
	Balance in hand on 1st April 1921.	Purchased.	Total.	Inoculated.	DIED.		Protected calves sold.	Protected calves slaughtered after inoculation.	BALANCE IN HAND ON 31ST MARCH 1922.		
					Before inoculation.	After inoculation.			Protected.	Unprotected.	
Vaccine Depot	...	4	65	63	3	1	...	62	...	3	

Statement No. 3.—*Showing number of Calves inoculated and the amount of lymph obtained and issued during the year 1921—1922.*

Month.	Number of calves inoculated.			Number of calves scraped.	Number of calves failed.	Number of calves from which lymph was not taken.	QUANTITY OF LYMPH OBTAINED IN GRAINS.		NUMBER OF TUBES FILLED.			QUANTITY OF LYMPH ISSUED TO		REMARKS.
	Before grinding.	After grinding.	5 grains tubes.				10 grains tubes.	20 grains tubes.	Medical Practitioners and Private Vaccinators.	Municipal Vaccinators.	Total.			
April 1921	...	8	6	...	...	2030	2655	67	92	70	415	2365	2780	
May	...	5	5	1	...	2360	3565	65	80	122	615	2035	2650	
June	...	3	4	...	...	2000	2860	50	75	93	470	1960	2430	
July	...	5	4	...	...	1900	2745	55	77	85	660	2180	2840	
August	...	6	6	...	...	2690	3840	90	107	116	720	2720	3440	
September	...	4	5	...	...	2868	4205	65	80	154	605	1720	2325	
October	...	4	4	...	...	1922	2900	56	66	98	500	2070	2570	
November	...	6	7	...	...	3380	5600	98	127	192	585	3455	4040	
December	...	6	6	...	...	2892	4835	71	70	132	1015	4515	5530	38 Thirty grains tubes.
January 1922	...	3	3	...	...	1586	2780	...	20	87	510	2420	2930	28 do do
February	...	7	5	...	...	2202	3850	...	61	72	545	3485	4030	60 do do
March	...	6	7	3206	5910	...	86	92	1050	3610	4660	107 do do
TOTAL	...	63	62	1	...	29036	45745	617	941	1313	7690	32535	40225	233

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Table No. 1.
Statement comparing the work during the year 1921-1922 with that each of the two preceding years.

Year.	Total number vaccinated.	NUMBER SUCCESSFULLY VACCINATED.		Rates per cent of Primary successful (verified).	Average cost of each successful case.	AVERAGE NUMBER OF PERSONS VACCINATED BY EACH.		Primary vaccination per 1,000 of population.	Number of births registered per 1,000 of population.	REMARKS.
		Primary.	Re. vaccination.			Vaccinator.	Registrar.			
1919-1920	...	48,219	6,731	12.894	99.89	...	3,014	55.43	20.63	There were no Secondary cases performed during the year. 579 cases were performed by Medical Practitioners.
1920-1921	...	34,693	7,082	3.838	99.58	...	2,163	76.10	22.19	There were no Secondary cases performed during the year. 1,171 cases were performed by Medical Practitioners.
1921-1922	...	42,630	7,782	4.679	99.73	...	3,045	78.63	18.29	There were no Secondary cases performed during the year. 3,866 cases were performed by Medical Practitioners.

Table No. II.

Statement showing births registered during the year 1921-1922 and vaccination of
Infants under one year of age.

Circles.	Total births excluding Still births.	Still births.	Deaths under one year.	Number of Infants surviving.	Number of Infants vaccinated.	Percentage of vaccination to births registered.	Remarks.
North Kemmendine ...	558	28	191	367	} 1,239	90-64	
South Kemmendine ...	809	17	140	669			
Lanmadaw ...	515	31	133	382	} 685	79-56	
Taroktan ...	346	16	128	218			
North-West Town ...	333	24	97	236	} 586	130-22	
South-West Town ...	117	16	55	62			
North-East Town ...	431	14	119	312	} 552	84-27	
South-East Town ...	224	9	45	179			
Botataung ...	463	23	96	367	} 806	88-47	
Yegyaw ...	448	25	162	286			
Theinbya ...	777	43	248	529	} 665	49-89	
Tamwe ...	556	39	221	335			
Dala ...	319	14	76	243	} 565	109-28	
Kanaungto ...	198	8	64	134			
Cantonment ...	51	10	42	9	...	...
Port ...	...	...	...	...	...	...
Hospitals and other Public Institutions ...	...	150	129	...	...	...
Vaccination performed at the Public Institution and by Private Medical Practitioners	88	...	
Private Vaccinators	
Total ...	6,145	467	1,946	4,328	5,186	84-39	

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Table No. 1.—Slewing number of blockages cleared during the year 1921

Division.	Circle.	CLEARED BY								REMARKS
		BLOCKAGES IN		INSPECTOR.		OWNER.		PLUMBING CO.		
		Water closets.	Sullage trays.	Water closets.	Sullage trays.	Water closets.	Sullage trays.	Water closets.	Sullage trays.	
Eastern	North-East Town	11	487	...	391	6	56	5	30	
	South-East Town	...	...	...	...	...	...	...	...
	Botataung	18	856	...	714	12	133	5	9	
	Thienbyu	...	...	...	...	...	...	...	...
	Kundaw	1	1	...	1	1	...	...	...
	Total	30	1,344	...	1,106	19	199	10	39	
Western	North-West Town	8	835	...	554	8	270	...	11	
	South-West Town	...	...	...	...	...	...	...	...
	Turuktan	11	249	...	178	10	69	1	2	
	Launadaw	...	519	...	475	...	44	...	...
	North Kemmendine	...	...	...	...	...	...	...	...
	South-Kemmendine	...	...	...	...	...	...	...	...
	Total	19	1,603	...	1,207	18	383	1	13	
	GRAND TOTAL	49	2,947	...	2,313	37	582	11	52	

Table No. 3.—*Steering number of Cases prosecuted and amount of Fines imposed under the Ghee Act and the different Sections of the Burma Municipal Act, during the year 1921.*

Section.	Name of offence.	EASTERN DIVISION.				WESTERN DIVISION.				TOTAL.				REMARKS.		
		No. of cases tried.	Amount of		No. of cases acquitted.	No. of cases with- drawn.	No. of cases tried.	Amount of		No. of cases with- drawn.	No. of cases tried.	Amount of				
			Fines imposed.	Costs awarded.				Fines imposed.	Costs awarded.			Fines imposed.	Costs awarded.			
			Rs.	A.	Rs.		Rs.	Rs.	A.		Rs.	Rs.				
96	Bathing and washing clothes in places not set apart for the purpose	4	3	4	4	...	8	...	39	4	8	12	42	8	12	...
99-100	Illicit slaughtering	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
102	Unauthorized sale of food, drinks, etc.	106	2,393	4	105	1	12	26	340	4	26	132	2,733	8	131	1
107	Failure to lime-wash premises	16	222	0	16	...	1	23	325	0	23	3	547	0	39	4
110	Exposure for sale of food, drink, etc., unfit for human consumption	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
114	Failure to provide troughs and rain- water pipes	...	...	...	...	...	2	1	4	2	...	2	1	4	2	...
114(a)	Failure to pave courtyard, etc., for efficient drainage	1	5	0	1	...	1	...	2	0	1	...	5	0	1	...
115	Failure to provide latrine, etc.	1	25	0	1	...	1	...	2	0	1	...	27	0	2	...
116	Failure to repair latrine, etc.	26	256	4	26	...	1	13	138	0	13	...	394	4	39	1
117	Failure to make and maintain sewerage connections	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
123	Failure to cleanse, repair, etc., private tank, etc.	3	75	0	3	...	2	18	0	2	...	5	93	0	5	...
126	Failure to clear and remove noxious vegetation	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
129	Failure to clean premises	5	33	0	5	...	...	...	...	...	...	...	33	0	5	1
130	Using building unfit for habitation	27	370	0	27	...	28	261	0	28	...	55	631	0	55	...
131	Failure to enclose land	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

	33	218	8	19	4	2	43	355	8	42	1	6	66	574	0	61	5	8
Carrying on offensive and dangerous trades without license
Concealing of epidemic diseases
Failure to register births and deaths
Not furnishing keepers's name
Overcrowding
Non-compliance with registered building bye-laws
Obstruction of passages
Keeping animals within prohibited area
Disposing earth or refuse on the road etc.
Discharging sewerage upon streets, drains, etc.
Allowing animals to stray, etc
Hanging articles over streets
Encroachment or obstructions
Picketing animals, etc.
Illegal burial
Adulteration of Ghee
Refusal to sell Ghee for Analysis
Keeping substances intended to be used for adulteration of Ghee
Total	785	9,848	4	779	6	26	897	8,473	12	895	2	16	1,682	18,322	0	1,674	8	42

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